

DEPARTMENT OF THE ARMY  
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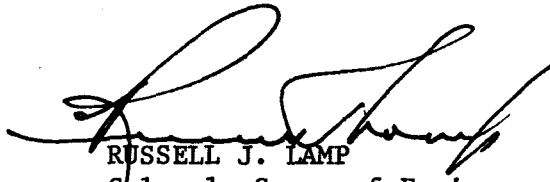
Engineer Manual  
No. 1110-2-1610

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Engineering and Design  
HYDRAULIC DESIGN OF LOCK CULVERT VALVES

1. Purpose. The purpose of this manual is to present hydraulic design data on control valves for navigation lock filling and emptying systems.
2. Applicability. This manual applies to all field operating agencies concerned with Civil Works design, construction, and operational maintenance.
3. General. This manual is a guide in the design of control valves for navigation lock filling and emptying systems.

FOR THE CHIEF OF ENGINEERS:



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Colonel, Corps of Engineers  
Executive